

Amendments to the Claims

1. (Canceled)

2. (Currently Amended) The method of claim 1, A method for outputting A/V streams onto a screen in response to a user's request by a home network which includes a server for outputting audio/video streams and plural renderers connected to the server through a home network, comprising:

a step in which a renderer connected to a server requests A/V streams;

a step in which the server judges whether A/V streams can be outputted in response to the request from the renderer; and

a step in which the server provides the A/V streams to the renderer sequentially or simultaneously if the A/V stream can be outputted, or outputting a server unavailability message to the renderer if the server judges that the A/V streams cannot be outputted,

wherein, in the step of judging whether A/V streams can be outputted, the server compares transmission time of entire A/V streams and A/V stream transmission time according to a defined reproduction capability of the server required for reproducing A/V streams, and then judges whether the A/V streams can be outputted.

3. (Currently Amended) The method of claim 2, wherein if the server's transmission time is slower than the defined transmission time, the server transfers a ~~server~~ server unavailability message to the renderer.

4. (Original) The method of claim 2, wherein the A/V stream transmission time is time taken for the header to simultaneously read A/V streams stored in a storing medium and output them.

5. (Original) The method of claim 2, wherein the A/V stream transmission time signifies total amount of time obtained by adding the a seek time taken for the header to move to an address where the A/V stream is positioned, a head activation time taken for the header to select a track in which the A/V stream is stored, a rotation latency time taken for the header to be positioned at a desired sector, and a time taken for the A/V stream read through the header to be transferred to the memory.

6. (Currently Amended) The method of claim 1, A method for outputting A/V streams onto a screen in response to a user's request by a home network which includes a server for outputting audio/video streams and plural renderers connected to the server through a home network, comprising:

a step in which a renderer connected to a server requests A/V streams;

a step in which the server judges whether A/V streams can be outputted in response to the request from the renderer; and

a step in which the server provides the A/V streams to the renderer sequentially or simultaneously if the A/V stream can be outputted, or outputting a server unavailability message to the renderer if the server judges that the A/V streams cannot be outputted,

wherein, in the step of judging whether A/V streams can be outputted, the server compares the overall transfer rate of the A/V streams being reproduced and a predetermined A/V stream transfer rate on the basis of the distance between a position where the A/V stream requested by the renderer has been recorded and a position where the A/V stream being reproduced has been recorded.

7. (Original) The method of claim 6, wherein the server judges a time point where the overall transfer rate for the current reproduction becomes slower than the predetermined transfer rate, and transfers the server unavailability message sequentially or simultaneously to connected renderers.

8. (Currently Amended) The method of ~~claim 1~~ claim 2, wherein, in the step of judging whether A/V streams can be outputted, a reproduction processing capability of the server including a CPU and a memory is judged.

9. (Currently Amended) The method of ~~claim 1~~ claim 2, wherein, in the step of judging whether A/V streams can be outputted, the number of A/V streams that can be finally outputted is judged on the basis of the lowest reference of the header movement speed, header reading speed and the server's reproduction processing capability, in order to determine whether to transfer the server unavailability message.

10. (Currently Amended) The method of ~~claim 1~~ claim 2, wherein, in the step of outputting the server unavailability message, if some plural ~~renders~~ renderers are additionally connected to the server and request A/V streams, the A/V streams are transferred from the server to the renderers in order of the plural renderers' stream transmission request. ~~From, from~~ a time point when the server judges transmission of ~~audio/video~~ audio/video streams is not possible, the server outputs the server unavailability message to a renderer which has requested the A/V streams.

11. (Currently Amended) The method of ~~claim 1~~ claim 2, wherein the server is a medium reproducing unit for reproducing an optical recording medium, a hard disk medium or a medium including the optical recording medium and the hard disk medium.

12. (Original) The method of claim 11, wherein the medium reproducing unit reads A/V streams stored in certain positions of the recording medium through at least one or more headers performing a mechanical position movement.

13. (Currently Amended) The method of ~~claim 1~~ claim 2, wherein the renderer is a display unit for outputting A/V streams provided from the server on a screen.

14. (Currently Amended) The method of ~~claim 1~~ claim 2, wherein the home network is a cable communication network on the basis of ethernet or home PNA, IEEE1394.

15. (Currently Amended) The method of ~~claim 1~~ claim 2, wherein the home network is a wireless communication network on the basis of a bluetooth, Wireless1394, HomeRF.

16. (New) The method of claim 2, wherein the server compares transmission time of entire A/V streams during which a header of the server reads A/V streams simultaneously.

17. (New) The method of claim 2, wherein, when an A/V stream transmission time of the server is slower than a defined transmission time of the A/V stream, a server unavailability message is provided to the renderer to achieve smooth outputting of A/V streams of the server.

18. (New) A method for outputting streams through a home network, the method comprising:

connecting plural renderers to a server request A/V streams;

judging, by the server, whether the A/V streams can be outputted in response to requests from the renderers; and

providing, by the server, the A/V streams to the renderers sequentially or simultaneously when the A/V streams can be outputted,

wherein, in judging whether A/V streams can be outputted, the server compares a transmission time of entire A/V streams and a stream transmission time according to a defined reproduction capability of the server required for reproducing A/V streams, and then judges whether the A/V streams can be outputted based on a result of the comparison.